CHAPTER 9:

Trigonometry
Cornell Notes/Summary Sheet

Name: _____

Period: _____
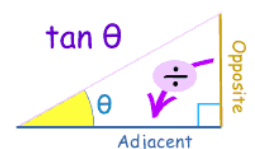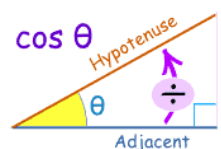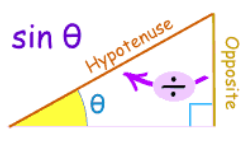
Turn this in on the day of the test.
This is an assignment grade.

Lessons 9.2 – 9.4: Big Ideas

FINDING SIDE LENGTHS OF RIGHT TRIANGLES

- The Tangent Ratio (p.730)
- The Sine Ratio (p.732)
- The Cosine Ratio (p.733)

Your Notes

$\sin \theta$ — Hypotenuse ÷ Opposite — Adjacent, θ

$\cos \theta$ — Hypotenuse ÷ Adjacent, θ

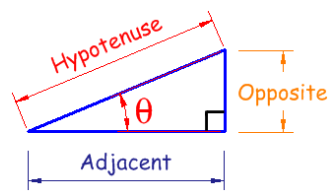$\tan \theta$ — Opposite ÷ Adjacent, θ

Lessons 9.2 – 9.5: Big Ideas

FINDING ANGLE MEASURES OF RIGHT TRIANGLES

- The Inverse Tangent (p.731)
- The Inverse Sine (p.733)
- The Inverse Cosine (p.734)
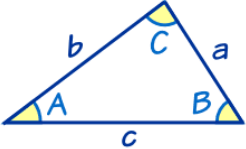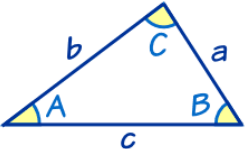- Complementary Angle Relationships (p.735)

Your Notes

Hypotenuse — Opposite — Adjacent — θ

Lessons 9.2 – 9.5: Big Ideas

SOLVING RIGHT TRIANGLES

- The Pythagorean Theorem and ALL OF THE ABOVE

Your Notes

Refer to the Chapter 9 Summary on pages 729 – 738 of your Carnegie Text

Lessons 9.2 – 9.5: Big Ideas	Your Notes
• Angle of Elevation • Angle of Depression	
Lesson 9.6.D1: Big Ideas	**Your Notes**
• The Law of Sines • When can you use the Law of Sines? *See an example on page 737.*	 **a**, **b** and **c** are sides. **A**, **B** and **C** are angles. *(Side a faces angle A, side b faces angle B and side c faces angle C).*
Lesson 9.6.D2: Big Ideas	**Your Notes**
• The Law of Cosines • When can you use the Law of Cosines? *See an example on page 738.*	 **a**, **b** and **c** are sides. **C** is the angle opposite side c

Refer to the Chapter 9 Summary on pages 729 – 738 of your Carnegie Text